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PTO/SB/21 (08-00)

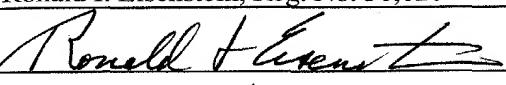
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

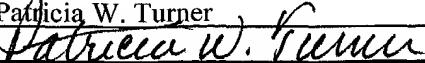
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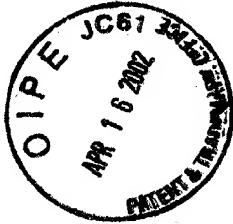
<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		<b>Application Number</b> 09/470,276
		<b>Filing Date</b> December 22, 1999
		<b>First Named Inventor</b> R. Kolodner
		<b>Group Art Unit</b> 1655
		<b>Examiner Name</b> J. Fredman
<b>Total Number of Pages in This Submission</b> _____		<b>Attorney Docket Number</b> 700157/47483-C

<b>ENCLOSURES (check all that apply)</b>		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/ Reply 4 pages <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<b>Remarks</b>		

<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>	
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1655

PTO/SB/92 (08-00)

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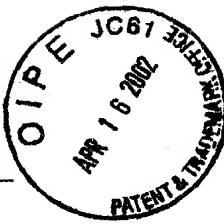
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Kolodner et al.

Application No.: 09/470,276

Group No.: 1655

Filed: 12/22/1999

Examiner: Fredman, J.

For: METHOD OF DETECTION OF ALTERATIONS IN MSH5

AMENDMENT

In response to the Office Action dated January 9, 2002, please amend the above-described application as follows:

IN THE CLAIMS:

*S F*  
3. An isolated nucleotide segment of no more than 3000 nucleotides containing a fragment of at least 17 contiguous nucleotides from the coding region as set forth in SEQ ID NO:1.

*S F*  
41. An isolated and purified nucleotide segment, wherein said nucleotide segment is a fragment of at least 17 contiguous nucleotides of SEQ ID NO: 1, and wherein said nucleotide segment is mRNA or cDNA.

*F*  
44. The isolated nucleotide segment of claim 3, wherein said nucleotide segment consists of said fragments of SEQ ID NO:1.

45. An isolated and purified nucleotide SEQ segment consisting of  
(a) at least one exon from SEQ ID NO:1 wherein starting at position 235 and continuing continuously, exon 1 is 221 basepairs, exon 2 is the next 160 basepairs, exon 3 is the next 124 basepairs, exon 4 is the next 81 basepairs, exon 5 is the next 63 basepairs, exon 6 is the next 122 basepairs, exon 7 is the next 110 basepairs, exon 8 is the next 36 basepairs, exon 9 is the next 83 basepairs, exon 10 is the next 46 basepairs, exon 11 is the next 139 basepairs, exon 12 is the next 63 basepairs, exon 13 is the next 129 basepairs, exon 14 is the next 73 basepairs, exon 15 is the next 110 basepairs, exon 16 is the next 81 basepairs, exon 17 is the next 88 basepairs, exon 18 is the next 190 basepairs, exon 19 is the next 127 basepairs, exon 20 is the next 150 basepairs, exon 21 is the next 75 basepairs, exon 22 is the next 144 basepairs, exon 23 is the next 138 basepairs, exon 24 is the next 74 basepairs, and exon 25 is the next 254 basepairs; and